



Docket No.: PF-0162-3 DIV

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Title: **A NOVEL GLUTATHIONE S-TRANSFERASE**

Serial No.: 09/784,739

Filing Date:

February 14, 2001

Examiner: Hines, J.

Group Art Unit:

1645

Commissioner for Patents  
Washington, D.C. 20231

**RESPONSE TO RESTRICTION REQUIREMENT UNDER 35 U.S.C. 121**

Sir:

This paper is responsive to the Restriction Requirement and Request for Election dated August 28, 2002, setting a one (1) month term for response.

For the Examiner's convenience, all pending claims are listed below.

1. A purified polypeptide comprising an amino acid sequence selected from the group consisting of:
  - a) an amino acid sequence of SEQ ID NO:1,
  - b) a naturally-occurring amino acid sequence having at least 90% sequence identity to the sequence of SEQ ID NO:1,
  - c) a biologically-active fragment of the amino acid sequence of SEQ ID NO:1, and
  - d) an immunogenic fragment of the amino acid sequence of SEQ ID NO:1.
2. An isolated polynucleotide encoding a polypeptide of claim 1.

3. A recombinant polynucleotide comprising a promoter sequence operably linked to a polynucleotide of claim 2.
4. A cell transformed with a recombinant polynucleotide of claim 3.
5. A transgenic organism comprising a recombinant polynucleotide of claim 3.
6. A method for producing a polypeptide of claim 1, the method comprising:
  - a) culturing a cell under conditions suitable for expression of the polypeptide, wherein said cell is transformed with a recombinant polynucleotide, and said recombinant polynucleotide comprises a promoter sequence operably linked to a polynucleotide encoding the polypeptide of claim 1, and
  - b) recovering the polypeptide so expressed.
7. An isolated antibody which specifically binds to a polypeptide of claim 1.
8. An isolated polynucleotide comprising a sequence selected from the group consisting of:
  - a) a polynucleotide sequence of SEQ ID NO:2,
  - b) a naturally-occurring polynucleotide sequence having at least 90% sequence identity to the sequence of SEQ ID NO:2,
  - c) a polynucleotide sequence complementary to a),
  - d) a polynucleotide sequence complementary to b) and
  - e) a ribonucleotide equivalent of a)-d).
9. An isolated polynucleotide comprising at least 60 contiguous nucleic acids of claim 8.
10. A method for detecting a target polynucleotide in a sample, said target polynucleotide